

FIG. 2.

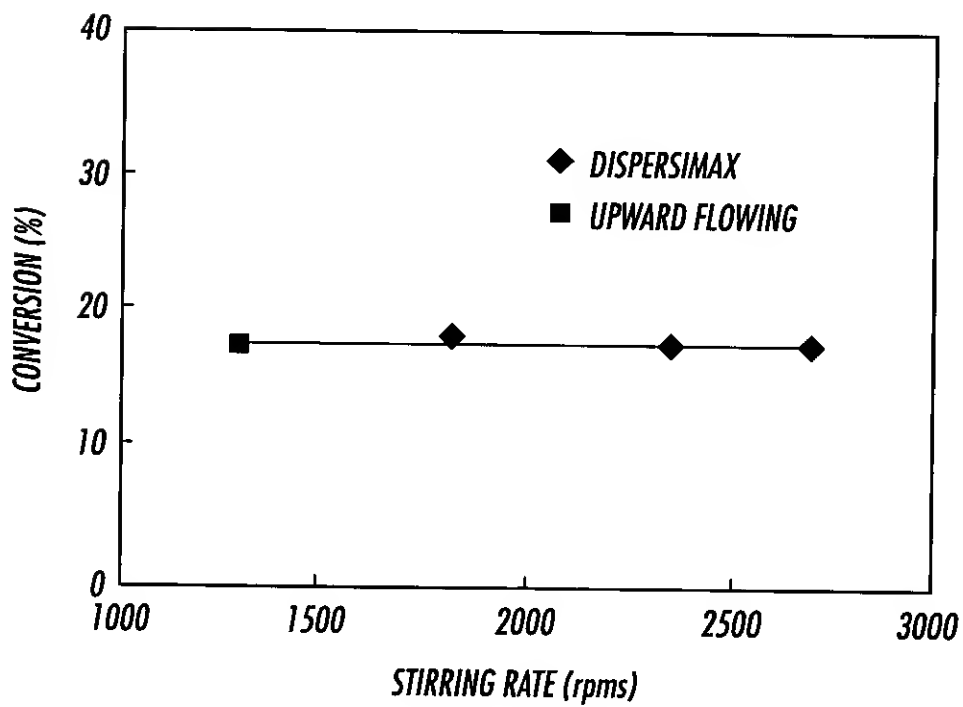


FIG. 3.

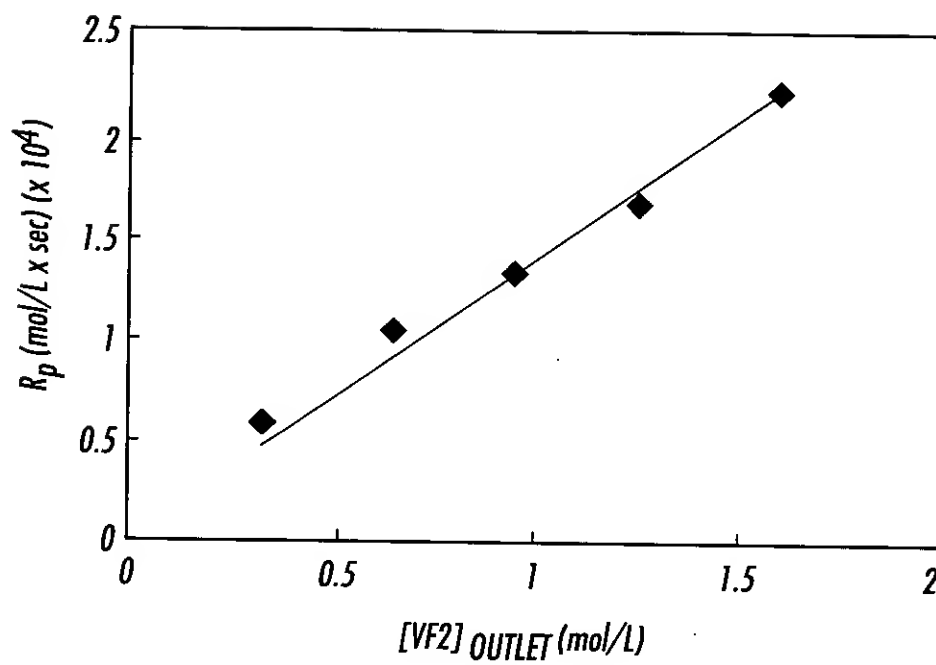


FIG. 4.

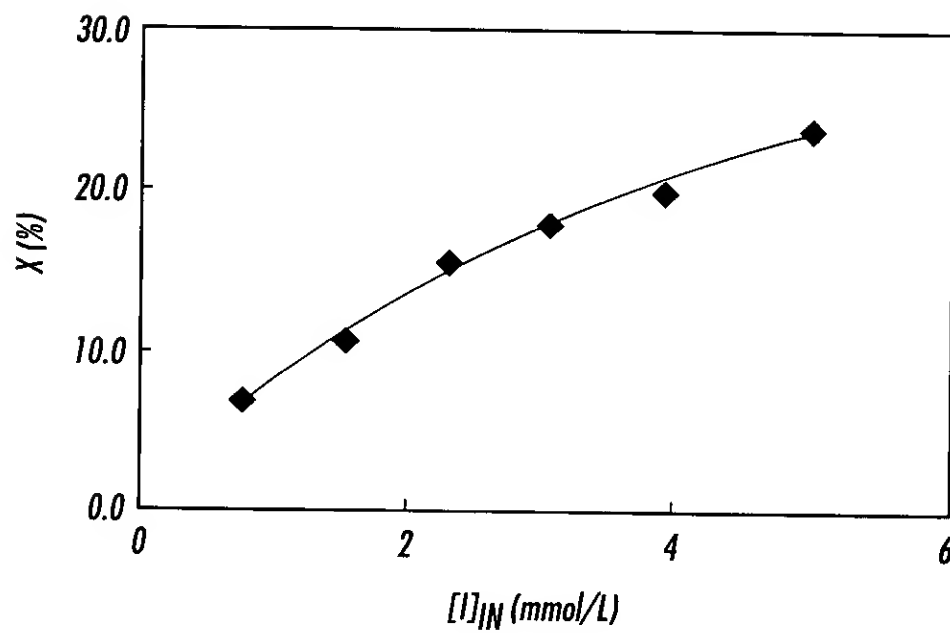


FIG. 5.

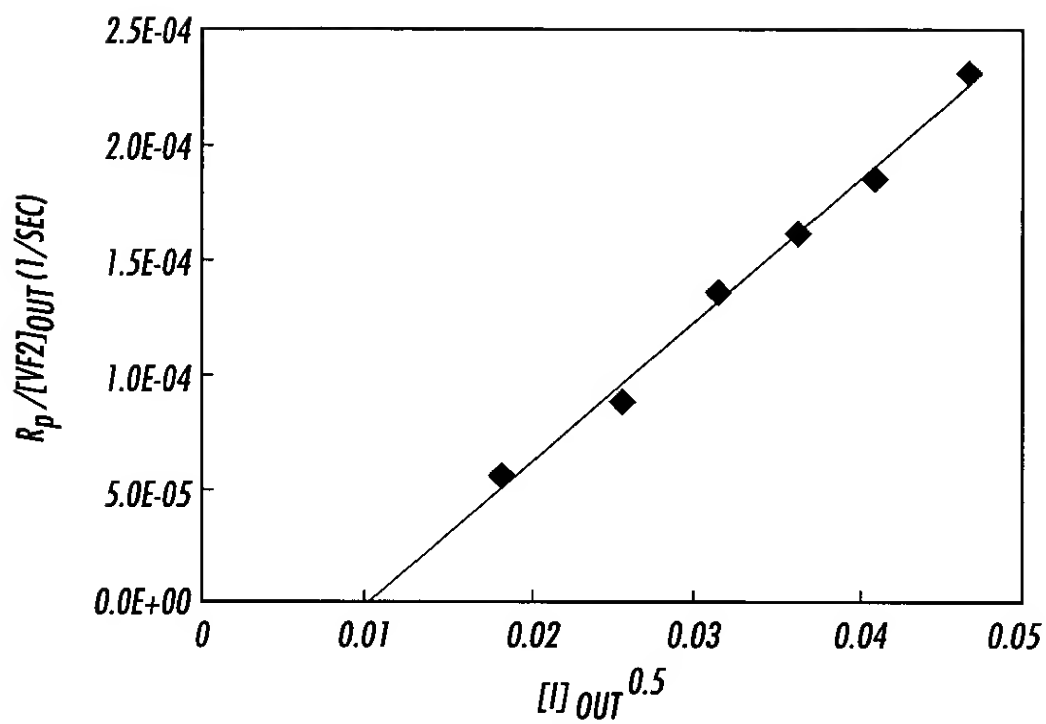


FIG. 6.

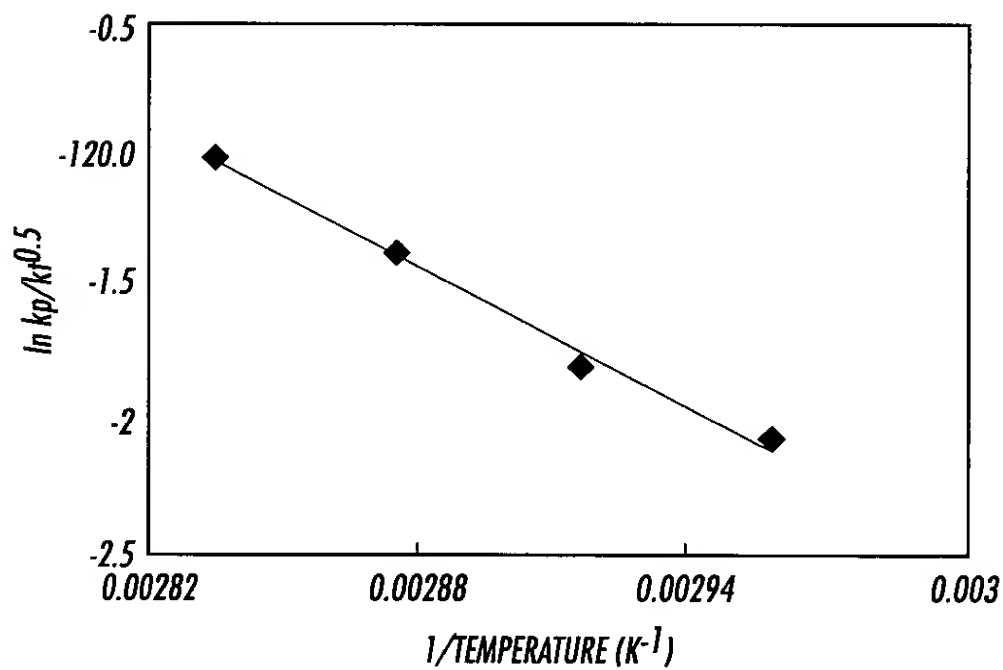


FIG. 7.

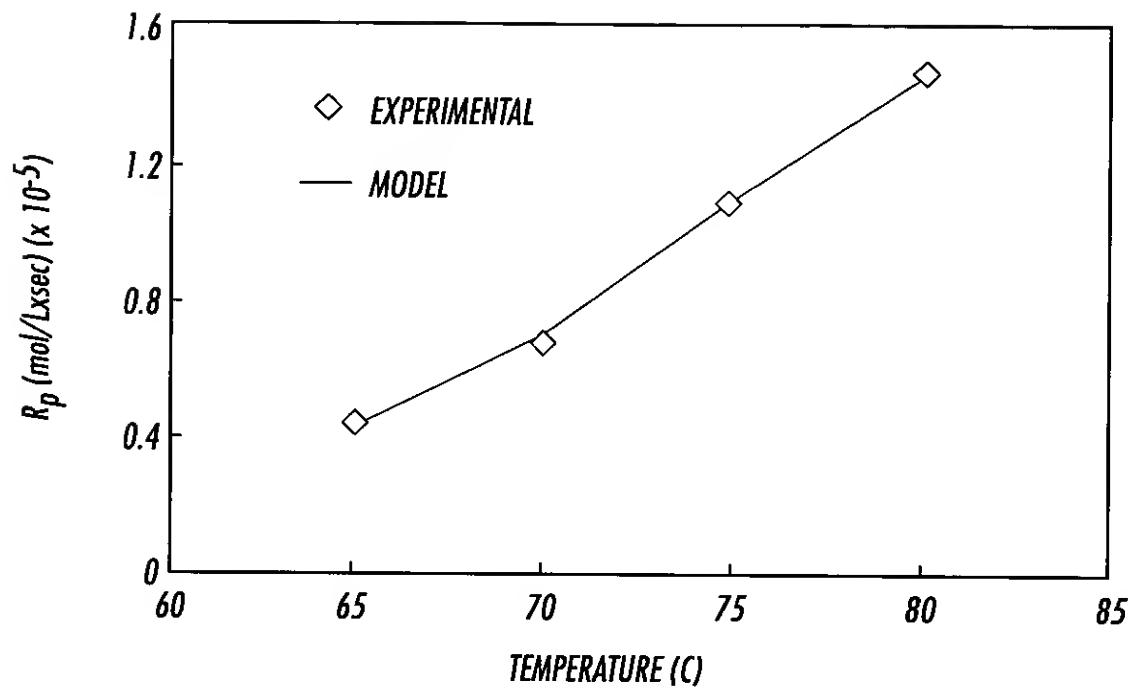


FIG. 8.

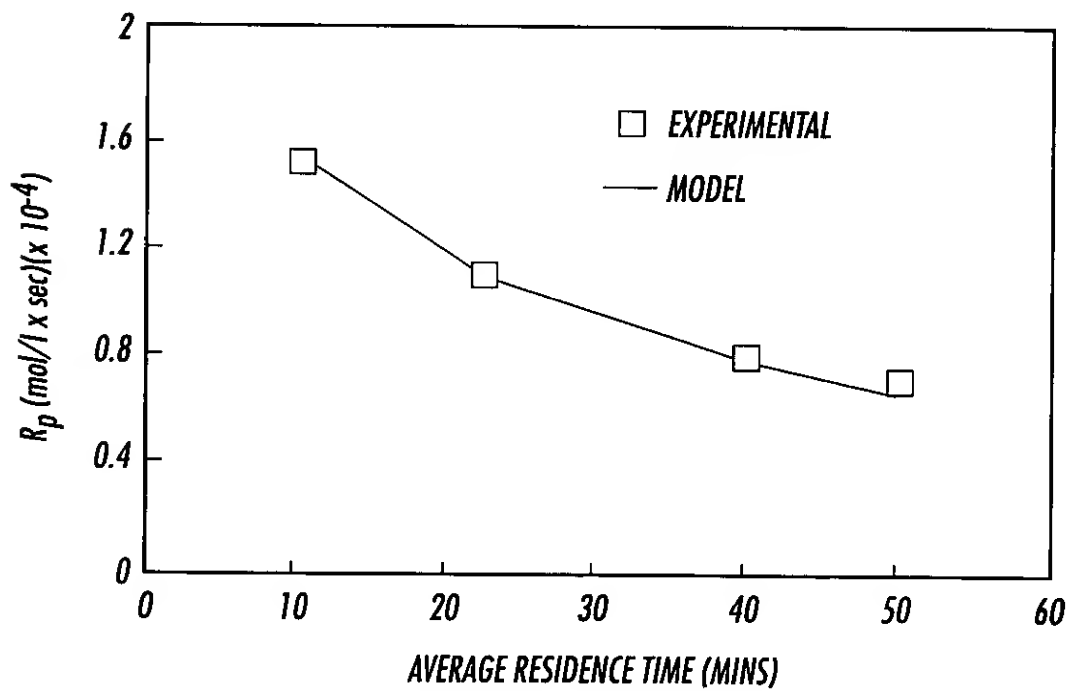


FIG. 9.

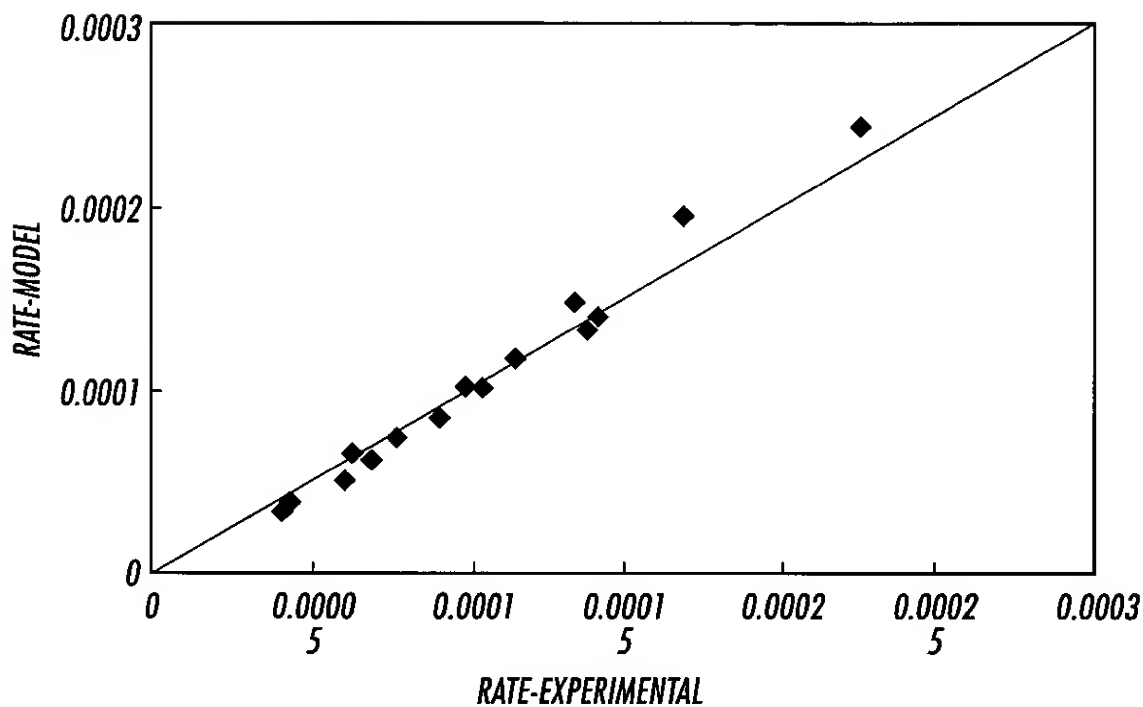


FIG. 10.

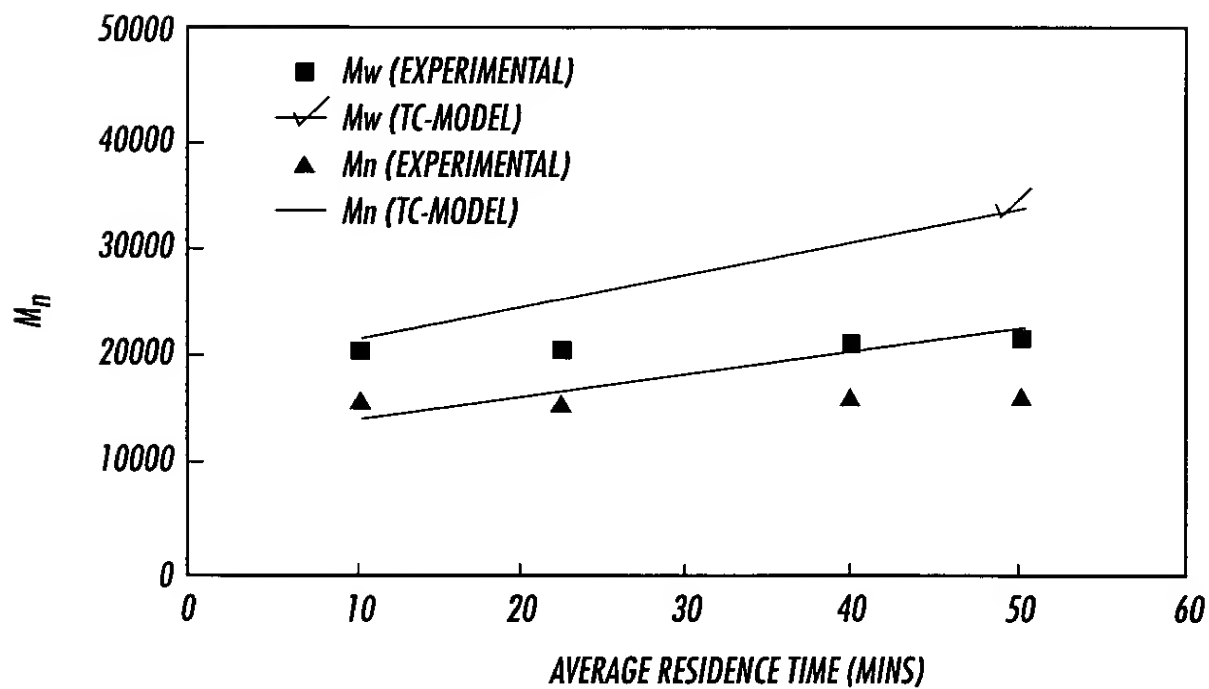


FIG. 11.

The diagram illustrates a continuous stirred reactor system for polymerization. The process flow is as follows:

- INITIATOR** is added to the **REACTOR**.
- MONOMER** and **CO<sub>2</sub>** are added to the **CONDENSER**.
- The **CONDENSER** output flows into the **REACTOR**.
- The **REACTOR** output passes through a **COOLER**.
- The cooled stream then enters a **FILTER/CYCLONE** unit.
- The output of the **FILTER/CYCLONE** is split into two paths:
  - One path goes through **ON/OFF VALVES** and a **CHECK VALVE** to a **LOW PRESSURE BAG FILTER OR EXTRUDER HOPPER** for **PURIFY**.
  - The other path goes through **ON/OFF VALVES** and a **CHECK VALVE** to a **PURGE** point.
- The **RECIRC. PUMP** draws material from the **CONDENSER** and pumps it back into the **REACTOR**.
- CO<sub>2</sub>** is also added to the **RECIRC. PUMP** line.
- FLUID ANALYSIS** is performed on the output stream.

FIG. 12.

**FIG. 13.**



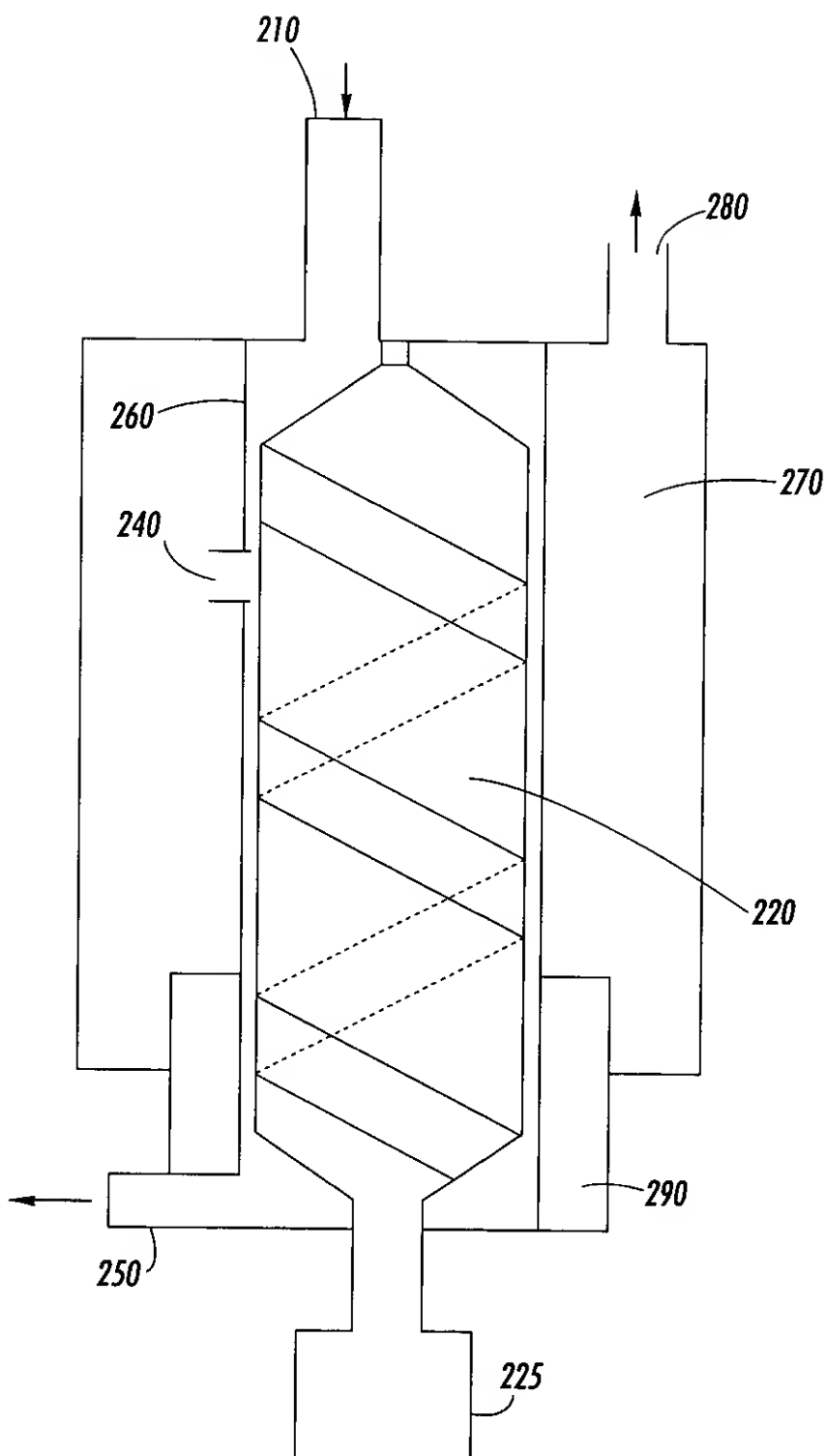


FIG. 14.



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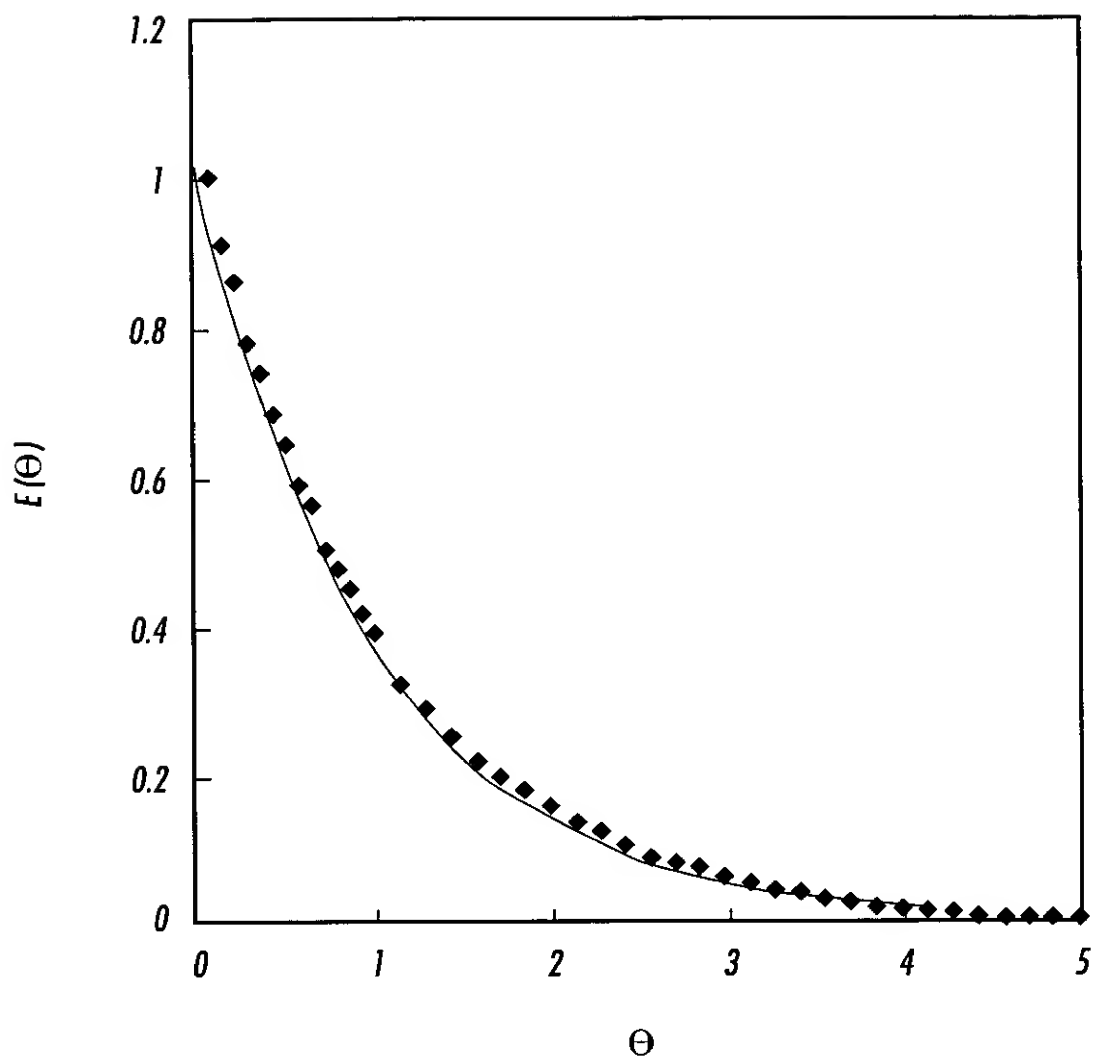


FIG. 16.

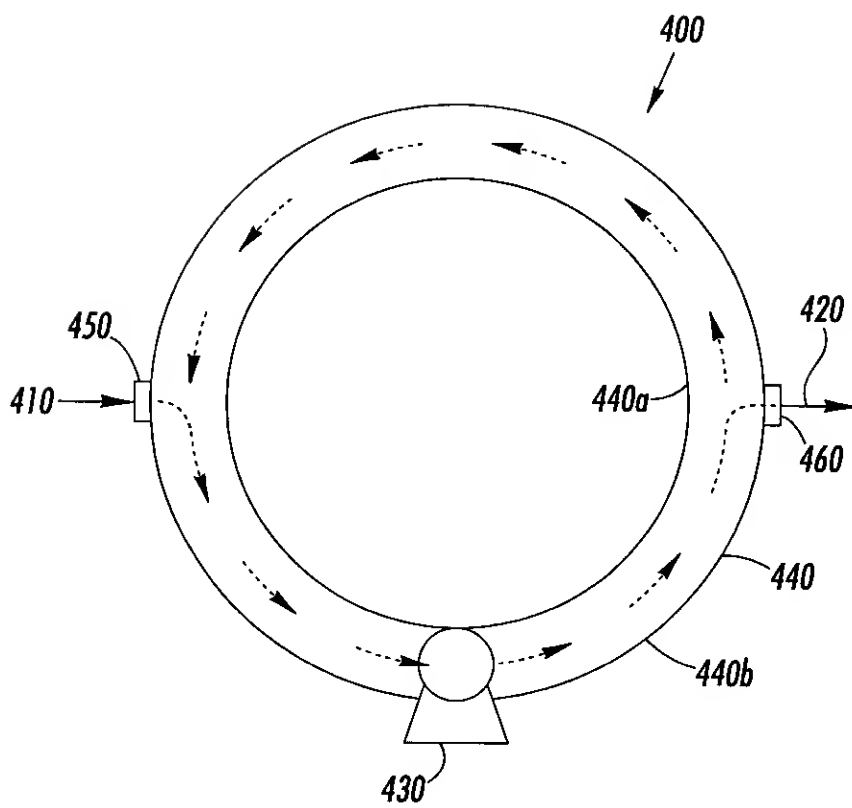


FIG. 17.